International application No PCT/US2006/045644

A. CLASSIFICATION OF SUBJECT MATTER INV. C08F224/00

According to Infernetional Patent Classification (IPC) or to both national classification and IPC

#### B, FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) COSF

Documentation searched other than minimum documentation to the extent that auch documents are included in the fields searched

Electronic deta base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where eppropriate, of the relevant passagee	Relevant to claim No.
χ	US 2002/010312 A1 (BRANDENBURG CHARLES J [US] ET AL) 24 January 2002 (2002-01-24) cited in the application the whole document	1-9,11, 12
Α	WO 02/44845 A (DU PONT [US]; FEIRING ANDREW E [US]; PETROV VIACHESLAV ALEXANDROVIC [U) 6 June 2002 (2002-06-06) -/	9,10

LA Further documents are listed in the continuetion of Box C.	A See patent ramily annex.
Special categories of clied documents:  A document deshipp the general tate of the sit which is not considered to be of paticular relevance  Per earlier document but published no or refler the International filing date  To deship the site of the	** But observant politished after the historisational flight data or priority data and call a confirmation with the application test data to understand the principle or theory underlying the confirmation of the confirmation of the confirmation of the control of political residences, but celebrate the confirmation control be considered nowle or annex to a considered to bryotic an inventive elemp when the document is train about the confirmation of the confirmation of the confirmation of control to considered to brivoke an inventive step when the comment to considered to have the control of the confirmation of the confirmation of the confirmation of the confirmation of the test of the confirmation of the confirmation of the confirmation of the test of the confirmation of the confirmation further training of the confirmation of the document of the confirmation of the confirmation further training of the confirmation
Date of the actual completion of the international search  17 April 2007	Date of malling of the international search report 23/04/2007
Name end mailing ackiess of the ISAV European Patent Office, P.B. 5618 Pelentilaan 2 NL – 2206 Pt "Blavvik" Tol. (401–70) 340–2340, Tx. 31 651 epo nl, Fax. (+31-70) 3-03-0316	Authorized officer  Rouault, Yannick

International application No PCT/US2006/045644

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category\* Citation of document, with indication, where appropriate, of the relevant passages M. VAN DEN BRINK, W. SMULDERS, A.M. VAN 1-8 Α HERK, A. L. GERMAN: "Nonlinear regression by visualization of the sum of residual space applied to the integrated copolymerization equation with errors in all variables II Application to the system methyl methacrylate alpha methylene gamma butyrolactone using on-line raman spectroscopy' JOURNAL OF POLYMER SCIENCE PART A POLYMER CHEMISTRY, vol. 37, 1999, pages 3804-3816, XP002423188 the whole document Α H. KOINUMA, K. SATO, T. TANABE, H. HIRAI: 1-8 "polymer conformation and NMR chemical shifts 6a alternating copolymer of alpha methylene gamma butyrolactone with styrene" MAKROMOL. CHEM., vol. 183, 1982, pages 1533-1544, XP002423189 the whole document H. KOINUMA, K. SATO, H. HIRAI: 1-8 "alternating copolymerization of alpha methylene gamma butyrolactone with stvrene" MAKROMOL. CHEM. RAPID COMMUN. vol. 3, 1982, pages 311-315, XP002423190 the whole document

International application No. PCT/US2006/045644

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they rotate to parts of the international Application that do not comply with the prescribed requirements to such an outen't hat no meaningful international Search can be carried out, specifically:
Claims Nos.:     because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This international Searching Authority found multiple Inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
<ol> <li>As all searchable claims could be searched without effort justifying an additional fee, this Authority did not tinvite payment of any additional fee.</li> </ol>
As only some of the required additional search less were timely paid by the applicant, this international Search Report covers only finese claims for which fees were paid, specifically dislims Nos.
No required additional search less were timely paid by the applicant. Consequently, this international Search Report to restricted to the invention first mentioned in the define, it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  X  No protest accompanied the payment of additional search fees.

# FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

an MBL copolymer with the mandatory comonomers methyl methacrylate and styrene and articles derived from

2. claims: 9,12

a multilayer article comprising an MBL copolymer with any comonomers different from methyl methacrylate and styrene

3. claims: 9.10

a multilayer article comprising an MBL copolymer with methyl methacrylate and without styrene  ${\sf methacrylate}$ 

4. claims: 9,11

a multilayer article comprising an MBL copolymer with styrene and without methyl methacrylate

Information on patent family members

International application No

	•			- 1	PC1/US2006/045644	
Patent document cited in search report				Patent family member(s)		Publication date
US 2002010312	A1	24-01-2002	NONE			
WO 0244845	A	06-06-2002	AU CN EP JP TW	2576602 1496496 1340125 2004514952 580609	A A2 T	11-06-2002 12-05-2004 03-09-2003 20-05-2004 21-03-2004